

Converting Colors

$Y_{xy}(13.3721, 0.2184, 0.1576)$

Have a look what the booklet for
Yxy(13.3721, 0.2184, 0.1576)
contains.

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Color

Yxy(13.3624, 0.2178, 0.1569)

Conversions

Conversions Part 1

Format	Color
Hex	6556C3
RGB	101, 86, 195
RGB Percent	40%, 34%, 76%
CMY	0.6039, 0.6628, 0.2351
CMYK	0.48, 0.56, 0.00, 0.24
HSL	248°, 48%, 55%
HSV	248°, 56%, 76%
XYZ	18.5490, 13.3624, 53.2537
YIQ	102.9110, -26.0490, 37.0790

Conversions

Conversions Part 2

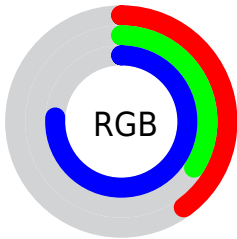
Format	Color
RYB	101, 86, 195
Decimal	6641347
CIELab	43.30, 34.40, -55.33
CIELCh	43, 65.150, 301.871
Yxy	13.3624, 0.2178, 0.1569
Android (android.graphics.Color)	4284831427 (0xFF6556C3)
YUV	102.9110, 45.3999, -1.6759
Hunter-Lab	36.5546, 26.6059, -60.7870

Details

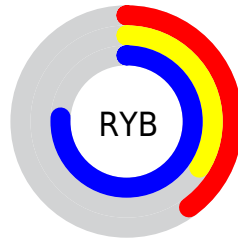
The Yxy color **13.3624, 0.2178, 0.1569** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **49.4241, 0.3788, 0.4677**, and the grayscale version is **13.4220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9057, 0.2402, 0.1893**, and **3.8825, 0.1804, 0.1093** is the 20% darker color. If you saturate the color by 10%, you get **9.7889, 0.1987, 0.1255**, and if you desaturate by 10%, it is **17.9850, 0.2375, 0.1907**.

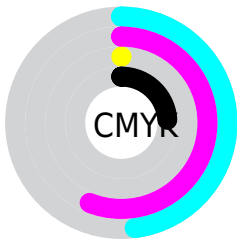
Distribution



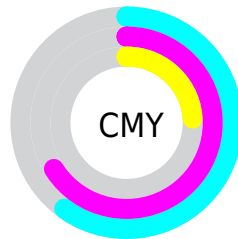
- Red (40%)
- Green (34%)
- Blue (76%)



- Red (40%)
- Yellow (34%)
- Blue (76%)



- Cyan (48%)
- Magenta (56%)
- Yellow (0%)
- Black (24%)



- Cyan (60%)
- Magenta (66%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3624, 0.2178, 0.1569 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 13.3624, 0.2178, 0.1569 by changing the saturation by 10% instead.

■ 13.3624, 0.2178,
0.1569

■ 13.3624, 0.2178,
0.1569

■ 213.2274, 0.2734,
0.2461

■ 7.6786, 0.2017,
0.1353

■ 31.9533, 0.2398,
0.1892

■ 3.8900, 0.1803,
0.1089

■ 45.6292, 0.2475,
0.2015

■ 1.6122, 0.1509,
0.0771

■ 62.7379, 0.2539,
0.2118

■ 0.3658, 0.1117,
0.0330

■ 83.6638, 0.2591,
0.2207

■ 0.0000, 0.0266,
0.0000

■ 108.7913, 0.2636,
0.2284

■ 0.0000, 0.0000,
0.0000

138.5048, 0.2674,

0.2350

173.1887, 0.2706,
0.2409

■ 13.3624, 0.2178,
0.1569

■ 13.3624, 0.2178,
0.1569

■ 9.7889, 0.1987,
0.1255

■ 17.9850, 0.2375,
0.1907

■ 7.1800, 0.1816,
0.0987

■ 23.7294, 0.2567,
0.2246

■ 5.4402, 0.1678,
0.0787

■ 30.6635, 0.2746,
0.2571

■ 4.4507, 0.1581,
0.0664

■ 38.8493, 0.2908,
0.2872

■ 4.1731, 0.1552,
0.0629

■ 48.3444, 0.3051,
0.3144

■ 59.2031, 0.3176,
0.3385

■ 71.4762, 0.3283,
0.3597

■ 85.2122, 0.3375,
0.3781

■ 96.2251, 0.3466,
0.3883

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.3624, 0.1444, 0.1482



13.3624, 0.2178, 0.1569



13.3624, 0.3397, 0.1945

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.3624, 0.2178, 0.1569



13.3624, 0.5503, 0.4120



13.3624, 0.1542, 0.3919

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.3624, 0.2178, 0.1569



49.4241, 0.3788, 0.4677

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.3624, 0.2439, 0.5508



13.3624, 0.2178, 0.1569



13.3624, 0.4689, 0.5058

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.3624, 0.2178, 0.1569



13.3624, 0.5648, 0.3301



13.3624, 0.3579, 0.5810



13.3624, 0.1127, 0.2465

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.3624, 0.2178, 0.1569



13.3624, 0.4364, 0.2338



13.3624, 0.3579, 0.5810



13.3624, 0.1792, 0.4510

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.3628, 0.2178, 0.1569



67.4347, 0.2887, 0.2833



38.7637, 0.2382, 0.3066



14.0825, 0.2855, 0.2773



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.3628, 0.2178, 0.1569



16.3924, 0.1949, 0.1193



17.5693, 0.2728, 0.1794



9.8131, 0.3004, 0.3053



2.7330, 0.1559, 0.0633



0.1401, 0.1727, 0.0725

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.5567, 0.3368, 0.2130



32.6788, 0.3432, 0.1948



44.1526, 0.3322, 0.4922



10.2229, 0.3158, 0.3094



9.3908, 0.3586, 0.1749



0.4125, 0.3490, 0.1696

Previews

White Background



This preview shows how the Yxy color 13.3624, 0.2178, 0.1569 looks on a white background.

Color Contrast Check

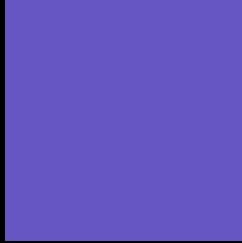
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 13.3624, 0.2178, 0.1569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

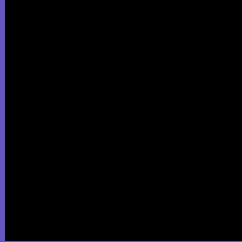
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.3624, 0.2178, 0.1569

Background



This preview shows how black text looks on a background with the Yxy color 13.3624, 0.2178, 0.1569.



This preview shows how white text looks on a background with the Yxy color 13.3624, 0.2178, 0.1569.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.3624, 0.2178, 0.1569

Protanopia

13.4322, 0.1754, 0.1467

Deuteranopia

13.3195, 0.1837, 0.1813



Tritanopia

13.3729, 0.2669, 0.3105

Trichromacy



Original Color

13.3624, 0.2178, 0.1569

Protanomaly

12.9459, 0.1827, 0.1475

Deuteranomaly

12.5306, 0.1862, 0.1666

Tritanomaly

12.9157, 0.2450, 0.2373

Monochromacy



Original Color

13.3624, 0.2178, 0.1569

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.1517, 0.2708, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3624, 0.2178, 0.1569 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(101, 86, 195)` looks like.

```
.text, #text, p{  
    color:rgb(101, 86, 195)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(101, 86, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 86, 195) }
```

Border

The CSS property to change the border of an element to Yxy 13.3624, 0.2178, 0.1569 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 86, 195) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(101, 86, 195) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(101, 86, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 86, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 86, 195);  
box-shadow:4px 4px 4px 4px rgb(101, 86,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3624, 0.2178, 0.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 86, 195) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(101, 86,  
195) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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